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Application No. <u>09/772,115</u>	Prepared by <u>NPB</u>	Tracking Number <u>05891390</u>	
Examiner-GAU <u>LOKE-2811</u>	Date <u>3/23/04</u>	Week Date <u>1/19/04</u>	
	No. of queries <u>1</u>	<u>IFW</u>	

JACKET			
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

SPECIFICATION	MESSAGE	
a. Page Missing	<p><i>per Notice of Allowability and claim sets (CLMPTD), claim 27 is allowed, but claim 27 is not shown as allowed in the index of claims.</i></p> <p><i>please advise / renumber the claims, if necessary.</i></p>	
b. Text Continuity		
c. Holes through Data		
d. Other Missing Text		
e. Illegible Text		
f. Duplicate Text		
g. Brief Description		
h. Sequence Listing		
i. Appendix		
j. Amendments		
k. Other	<p><i>Thank you</i></p> <p>initials <i>NPB</i></p>	
<b>CLAIMS</b>		
a. Claim(s) Missing		
b. Improper Dependency		
c. Duplicate Numbers		
d. Incorrect Numbering		
<u>e. Index Disagrees</u>		<p><b>RESPONSE</b></p>
f. Punctuation		
g. Amendments		
h. Bracketing		
i. Missing Text		
j. Duplicate Text		
k. Other		
initials		

**Notice of Allowability**

Application No.

09/772,115

Examiner

Douglas W Owens

Applicant(s)

LEE ET AL.

Art Unit

2811

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on November 12, 2003.
2. ☒ The allowed claim(s) is/are 19, 21 - 25, 27 - 32 and 34 - 39.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
  - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No. \_\_\_\_\_.
  - (b) ☒ including changes required by the proposed drawing correction filed 14 February 2002, which has been approved by the Examiner.
  - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| 1 <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                             | 5 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                    | 6 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____    |
| 3 <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No. _____  | 7 <input checked="" type="checkbox"/> Examiner's Amendment/Comment         |
| 4 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|  | 9 <input type="checkbox"/> Other   |

26. (canceled) The semiconductor structure of Claim 19, wherein the silicide strap comprises a refractory metal layer reacted with semiconductor material in the conductive element, the dielectric spacer and the semiconductor substrate.

27. (presently amended) The semiconductor structure of Claim 26,<sup>19</sup> wherein the refractory metal layer directly contacts semiconductor material comprising amorphous silicon in the conductive element, the dielectric spacer and the semiconductor substrate.


28. (previously added) The semiconductor structure of Claim 19,<sup>2</sup> wherein the conductive element is a gate electrode.


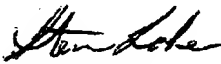
29. (previously added) The semiconductor structure of Claim 28,<sup>3</sup> further comprising a gate dielectric layer located between the semiconductor substrate and the gate electrode.

30. (previously added) The semiconductor structure of Claim 19,<sup>4</sup> further comprising a source/drain region located in the semiconductor substrate, wherein the refractory metal layer silicide strap contacts the source/drain region.

31. (previously added) The semiconductor structure of Claim 19,<sup>5</sup> wherein the dielectric spacer comprises silicon oxide or silicon nitride.

32. (presently amended) The semiconductor structure of Claim 19,<sup>6</sup> wherein the refractory metal layer silicide strap comprises cobalt silicide.

<b>Issue Classification</b> 	Application No.	Applicant(s)	
	09/772,115	LEE ET AL.	
	Examiner	Art Unit	
	Douglas W Owens	2811	

ISSUE CLASSIFICATION										
ORIGINAL				CROSS REFERENCE(S)						
CLASS	SUBCLASS			CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					
257	383			257	382	384				
INTERNATIONAL CLASSIFICATION										
H	0	1	L							
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Douglas W. Owens 12/4/03										
(Assistant Examiner) (Date)										
 12/4/03 (Legal Instruments Examiner) (Date)				Total Claims Allowed: 17  <div style="display: flex; justify-content: space-around;"> <div>O.G. Print Claim(s) 19</div> <div>O.G. Print Fig. 2G</div> </div>						
 12/6/03 (Primary Examiner) (Date)										

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant										<input type="checkbox"/> CPA										<input type="checkbox"/> T.D.										<input type="checkbox"/> R.1.47									
Final	Original		Final	Original		Final	Original		Final	Original		Final	Original		Final	Original		Final	Original		Final	Original		Final	Original		Final	Original		Final	Original		Final	Original		Final	Original		
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	2		6	32			62			92			122			152																							
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